(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 28 June 2001 (28.06.2001)

(10) International Publication Number WO 01/46393 A2

(51) International Patent Classification7:

C12N 9/00

- (21) International Application Number: PCT/US00/34396
- (22) International Filing Date:

19 December 2000 (19.12.2000)

(25) Filing Language:

English

(26) Publication Language:

English

- (30) Priority Data: 60/172,944 21 December 1999 (21.12.1999)
- (71) Applicant (for all designated States except US): E.I. DU PONT DE NEMOURS AND COMPANY [US/US]; 1007 Market Street, Wilmington, DE 19898 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): FALCO, Saverio, Carl [US/US]; 1902 Miller Road, Arden, DE 19810 (US). FAMODU, Omolayo, O. [US/US]; 216 Barrett Run Place, Newark, DE 19702 (US), THORPE, Catherine, J. [GB/GB]; 49 Beech Road, St. Albans, Hertfordshire AL3 5AP (GB).

- (74) Agent: RIZZO, Thomas, M.; E.I. du Pont de Nemours and Company, Legal Patent Records Center, 1007 Market Street, Wilmington, DE 19898 (US).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published:

Without international search report and to be republished upon receipt of that report.

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: ASPARTATE KINASE

(57) Abstract: This invention relates to an isolated nucleic acid fragment encoding an aspartate kinase. The invention also relates to the construction of a chimeric gene encoding all or a portion of the aspartate kinase, in sense or antisense orientation, wherein expression of the chimeric gene results in production of altered levels of the aspartate kinase in a transformed host cell.